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Subject: DOCKET NO. SDWA-10-2013-0080 / Completion of YVD Fourth Quarter 2013 Groundwater Sampling Event
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Attachments: [image001.png](#)
[YVD-GWS_COCS\(4Q2013\).pdf](#)
[YVD-GWS_FieldNotes\(4Q2013\).pdf](#)

Eric, Jennifer, and Rene –

The Fourth Quarter 2013 groundwater sampling event for the Yakima Valley Dairies was completed on Thursday, December 13, 2013. Sampling activities began on Monday, December 9, 2013.

Following is a summary of the accomplished work:

- Monday, 12/9: Synoptic water level measurements; sample YVD-06 (selected for MS/MSD and duplicate); collected field blank.
- Tuesday, 12/10: Sample YVD-17, DC-07, YVD-07, YVD-04, YVD-03; collected field blank.
- Wednesday, 12/11: Sample YVD-05, DC-09, YVD-08, DC-01, DC-14, YVD-18 (selected for MS/MSD and duplicate), DC-05D, YVD-12, YVD-13; collected field blank.
- Thursday, 12/12: Sample YVD-16, DC-04, DC-05, YVD-11, DC-03D, YVD-15, YVD-09, YVD-10, YVD-14, DC-03 (selected for MS/MSD and duplicate); collected field blank; collected equipment blank.

Wells were sampled in order of lowest to highest nitrate concentration based on Third Quarter 2013 results. Duplicates & MS/MSDs were collected from the wells with the lowest (YVD-06), mid-point (13th of the 26 wells, YVD-18), and highest nitrate concentration (DC-03) based on the Third Quarter 2013 results.

ARCADIS attempted to sample YVD-02 (northern-most well completed at the unconsolidated/basalt contact) on Wednesday, December 12. The well was purged but did not recover. Subsequent inspection of the water level in the well each day thereafter did not indicate adequate recovery of water column. Less than 1 foot of water was measured in the well on Thursday, December 12. Based on lack of recovery, the well was considered “dry” and no sample was collected. ARCADIS will attempt to sample the well as part of the First Quarter 2014 sampling event.

Attached are copies of the field notes and COCs for the event. Please let me know if you have additional questions.

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